STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/019,833
Source: IFW0
Date Processed by STIC: 2/23/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):** U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10/019,833

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1____	Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2____	Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3____	Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4____	Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5____	Variable Length	Sequence(s)____contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6____	PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7____	Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8____	Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9____	Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10____	Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
11__✓__	Use of <220>	Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12____	PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13____	Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/019,833

DATE: 02/23/2006
TIME: 12:02:28

Input Set : A:\sequence listing.txt
Output Set: N:\CRF4\02232006\J019833.raw

<110> APPLICANT: The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services
Mukherjee, Anil B
Zheng, Feng
Zhang, Zhangjan
<120> TITLE OF INVENTION: UTEROGLOBIN IN THE TREATMENT OF IgA MEDIATED AUTOIMMUNE DISORDERS
<130> FILE REFERENCE: 4239-61375-01
<140> CURRENT APPLICATION NUMBER: 10/019,833
C--> <141> CURRENT FILING DATE: 2001-10-18
<150> PRIOR APPLICATION NUMBER: PCT/US00/09979
<151> PRIOR FILING DATE: 2000-04-13
<150> PRIOR APPLICATION NUMBER: US 60/130,434
<151> PRIOR FILING DATE: 1999-04-21
<160> NUMBER OF SEQ ID NOS: 35
<170> SOFTWARE: PatentIn version 3.3
<210> SEQ ID NO: 1
<211> LENGTH: 70
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 1

```
Glu Ile Cys Pro Ser Phe Gln Arg Val Ile Glu Thr Leu Leu Met Asp
1               5                  10                  15
Thr Pro Ser Ser Tyr Glu Ala Ala Asn Glu Leu Phe Ser Pro Asp Gln
            20                  25                  30
Asp Met Arg Glu Ala Gly Ala Gln Leu Lys Lys Leu Val Asp Thr Leu
        35                  40                  45
Pro Gln Lys Pro Arg Glu Ser Ile Ile Lys Leu Met Glu Lys Ile Ala
    50                  55                  60
Gln Ser Ser Leu Cys Asn
65                  70
```

<210> SEQ ID NO: 2
<211> LENGTH: 68
<212> TYPE: PRT
<213> ORGANISM: Oryctolagus cuniculus
<400> SEQUENCE: 2

```
Gly Ile Cys Pro Arg Phe Ala His Val Ile Glu Asn Leu Leu Leu Gly
1               5                  10                  15
Pro Ser Ser Tyr Glu Thr Ser Leu Lys Glu Phe Glu Pro Asp Asp Thr
            20                  25                  30
Met Lys Asp Ala Gly Met Gln Met Lys Lys Tyr Leu Asp Ser Leu Pro
        35                  40                  45
Gln Thr Thr Arg Glu Asn Ile Asn Lys Leu Thr Glu Lys Ile Val Lys
```

Does Not Comply
Corrected Diskette Needed
(pg. 4-5)

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/019,833

DATE: 02/23/2006
TIME: 12:02:28

Input Set : A:\sequence listing.txt
Output Set: N:\CRF4\02232006\J019833.raw

```
                    55                  60
     50
Ser Pro Leu Cys
65
<210> SEQ ID NO: 3
<211> LENGTH: 75
<212> TYPE: PRT
<213> ORGANISM: Rattus norvegicus
<400> SEQUENCE: 3
Asp Ile Cys Pro Gly Phe Leu Gln Val Leu Glu Ala Leu Leu Leu Gly
1               5                  10                  15
Ser Glu Ser Asn Tyr Glu Ala Ala Leu Lys Pro Phe Asn Pro Ala Ser
            20                  25                  30
Asp Leu Gln Asn Ala Gly Thr Gln Leu Lys Arg Leu Val Asp Thr Leu
        35                  40                  45
Pro Gln Glu Thr Arg Ile Asn Ile Val Lys Leu Thr Glu Lys Ile Leu
    50                  55                  60
Ile Ser Pro Leu Cys Glu Gln Asp Leu Arg Val
65                  70                  75
<210> SEQ ID NO: 4
<211> LENGTH: 75
<212> TYPE: PRT
<213> ORGANISM: Mus musculus
<400> SEQUENCE: 4
Asp Ile Cys Pro Gly Phe Leu Gln Val Leu Glu Ala Leu Leu Met Glu
1               5                  10                  15
Ser Glu Ser Gly Tyr Val Ala Ser Leu Lys Pro Phe Asn Pro Gly Ser
            20                  25                  30
Asp Leu Gln Asn Ala Gly Leu Gln Leu Lys Arg Leu Val Asp Ile Leu
        35                  40                  45
Pro Gln Glu Thr Arg Ile Asn Ile Asn Lys Leu Leu Glu Lys Ile Leu
    50                  55                  60
Thr Ser Pro Leu Cys Lys Gln Asp Leu Arg Phe
65                  70                  75
<210> SEQ ID NO: 5
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer
<400> SEQUENCE: 5                                                    23
ttccaaggca gaacatttga gac
<210> SEQ ID NO: 6
<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer
<400> SEQUENCE: 6                                                    21
tctgagccag ggttgaaagg c
```

RAW SEQUENCE LISTING DATE: 02/23/2006
PATENT APPLICATION: US/10/019,833 TIME: 12:02:28

Input Set : A:\sequence listing.txt
Output Set: N:\CRF4\02232006\J019833.raw

159 <210> SEQ ID NO: 7
160 <211> LENGTH: 23
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Primer
167 <400> SEQUENCE: 7 23
168 atcttgctta cacagaggac ttg
171 <210> SEQ ID NO: 8
172 <211> LENGTH: 20
173 <212> TYPE: DNA
174 <213> ORGANISM: Artificial sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: Primer
179 <400> SEQUENCE: 8 20
180 atcgccatca caatcactgt
183 <210> SEQ ID NO: 9
184 <211> LENGTH: 25
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Primer
191 <400> SEQUENCE: 9 25
192 atcagagtct ggttatgtgg catcc
195 <210> SEQ ID NO: 10
196 <211> LENGTH: 20
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Primer
203 <400> SEQUENCE: 10 20
204 ggcatcgaag gtggaagagt
207 <210> SEQ ID NO: 11
208 <211> LENGTH: 20
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: Primer
215 <400> SEQUENCE: 11 20
216 atggccttcc gtgttcctac
219 <210> SEQ ID NO: 12
220 <211> LENGTH: 26
221 <212> TYPE: DNA
222 <213> ORGANISM: Artificial sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Primer
227 <400> SEQUENCE: 12 26
228 gaaggtggtg aagcaggcat ctgagg
231 <210> SEQ ID NO: 13

RAW SEQUENCE LISTING DATE: 02/23/2006
PATENT APPLICATION: US/10/019,833 TIME: 12:02:28

Input Set : A:\sequence listing.txt
Output Set: N:\CRF4\02232006\J019833.raw

232 <211> LENGTH: 20
233 <212> TYPE: DNA
234 <213> ORGANISM: Artificial sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Primer
239 <400> SEQUENCE: 13
240 agaagcctgg atcccctccc 20
243 <210> SEQ ID NO: 14
244 <211> LENGTH: 21
245 <212> TYPE: DNA
246 <213> ORGANISM: Artificial sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Primer
251 <400> SEQUENCE: 14
252 tggaacggcg tccaagagat g 21
255 <210> SEQ ID NO: 15
256 <211> LENGTH: 25
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Primer
263 <400> SEQUENCE: 15
264 ggtgtcacgg aggccaccat tactg 25
267 <210> SEQ ID NO: 16
268 <211> LENGTH: 19
269 <212> TYPE: DNA
270 <213> ORGANISM: Artificial sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Primer
275 <400> SEQUENCE: 16
276 atgaaactcg ctgtcaccc 19
279 <210> SEQ ID NO: 17
280 <211> LENGTH: 19
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Primer
287 <400> SEQUENCE: 17
288 tacacagtga gctttgggc 19
291 <210> SEQ ID NO: 18
292 <211> LENGTH: 9
293 <212> TYPE: PRT
294 <213> ORGANISM: Artificial sequence
296 <220> FEATURE:
297 <223> OTHER INFORMATION: Peptide
299 <400> SEQUENCE: 18
301 Met Gln Met Asn Lys Val Leu Asp Ser
302 1 5
305 <210> SEQ ID NO: 19

Pls explain source of genetic material.

Invalid Response

See item #11 on error Summary Sheet

RAW SEQUENCE LISTING DATE: 02/23/2006
PATENT APPLICATION: US/10/019,833 TIME: 12:02:28

Input Set : A:\sequence listing.txt
Output Set: N:\CRF4\02232006\J019833.raw

```
306 <211> LENGTH: 9
307 <212> TYPE: PRT
308 <213> ORGANISM: Artificial sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: Peptide
313 <400> SEQUENCE: 19
315 His Asp Met Asn Lys Val Leu Asp Leu
316 1               5
319 <210> SEQ ID NO: 20
320 <211> LENGTH: 9
321 <212> TYPE: PRT
322 <213> ORGANISM: Artificial sequence
324 <220> FEATURE:
325 <223> OTHER INFORMATION: Peptide
327 <400> SEQUENCE: 20
329 Met Gln Met Lys Lys Val Leu Asp Ser
330 1               5
333 <210> SEQ ID NO: 21
334 <211> LENGTH: 15
335 <212> TYPE: PRT
336 <213> ORGANISM: Artificial sequence
338 <220> FEATURE:
339 <223> OTHER INFORMATION: Peptide
341 <400> SEQUENCE: 21
343 Asp Thr Met Asp Ala Gly Met Gln Met Lys Lys Val Leu Asp Ser
344 1               5                   10                  15
347 <210> SEQ ID NO: 22
348 <211> LENGTH: 11
349 <212> TYPE: PRT
350 <213> ORGANISM: Artificial sequence
352 <220> FEATURE:
353 <223> OTHER INFORMATION: Peptide
355 <400> SEQUENCE: 22
357 Gly Met Ala Ser Lys Ala Gly Ala Ile Ala Gly
358 1               5                   10
361 <210> SEQ ID NO: 23
362 <211> LENGTH: 10
363 <212> TYPE: PRT
364 <213> ORGANISM: Artificial sequence
366 <220> FEATURE:
367 <223> OTHER INFORMATION: Peptide
369 <400> SEQUENCE: 23
371 Gly Ile Gly Lys Pro Leu His Ser Ala Gly
372 1               5                   10
375 <210> SEQ ID NO: 24
376 <211> LENGTH: 10
377 <212> TYPE: PRT
378 <213> ORGANISM: Artificial sequence
380 <220> FEATURE:
```

P/S explain source of genetic material.

Invalid response

Same error

Same error

Same error

Same error

See item #11 on error Summary Sheet.

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

VERIFICATION SUMMARY DATE: 02/23/2006
PATENT APPLICATION: US/10/019,833 TIME: 12:02:29

Input Set : A:\sequence listing.txt
Output Set: N:\CRF4\02232006\J019833.raw

:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date